

## ELx800™ Absorbance Microplate Reader



As a stand-alone microplate reader, the ELx800™ is designed for applications within the clinical, biotechnology and research areas. The onboard data reduction surpasses many computer software packages with its extensive curve-fitting, cutoff calculation, data transformation and validation capabilities. The ELx800 interfaces with BioTek's Gen5™ Data Analysis Software for even more flexibility in data analysis and reporting.

### Features

- Extensive onboard data analysis
- Multiple curve-fitting options
- Assay and control validation
- Data transformation formulas
- Cutoff and call criteria
- Multiple plate formats
- 5 filter capacity

### Applications

- ELISA assays
- Enzyme activity

### Optional Accessories

Gen5™ Data Analysis Software  
Gen5™ Secure (for 21 CFR Part 11 Compliance)  
Absorbance Test Plate  
Deskjet or Inkjet Printer  
Product Qualification Package

### Models

**ELx800:** Available for 6- to 384-well microplates and extended dynamic range

See price list or Web site for complete model listings and descriptions.

# Detection



| Specifications*                              | ELx800          | ELx800UV        | ELx800NB        |
|----------------------------------------------|-----------------|-----------------|-----------------|
| <b>Microplate Type</b>                       |                 |                 |                 |
| 6- to 96-well                                | •               | •               | •               |
| 6- to 384-well and Terasaki plates           |                 |                 | •               |
| Bio-Cell™                                    | •               | •               | •               |
| Reading Modes                                |                 |                 |                 |
| Endpoint; kinetic                            |                 |                 |                 |
| (under computer control)                     | •               | •               | •               |
| <b>Filter Wavelength Selection</b>           | •               | •               | •               |
| Wavelength Range:                            |                 |                 |                 |
| 400 - 750 nm                                 | •               |                 | •               |
| 340 - 750 nm                                 |                 | •               |                 |
| Filter wheel capacity / included             | 5 / 4           | 5 / 5           | 5 / 4           |
| Dynamic Range:                               |                 |                 |                 |
| 0 to 3.0 OD                                  | •               | •               | •               |
| Bandpass: 10 nm                              | •               | •               | •               |
| <b>Reading Channels + reference</b>          | 1/1             | 1/1             | 1/1             |
| Reading Speeds (seconds):                    |                 |                 |                 |
| Rapid Mode: 96 wells                         | 30 single       | 30 single       | 30 single       |
| <b>Optical Performance (typical)</b>         |                 |                 |                 |
| Tungsten Halogen Lamp                        | •               | •               | •               |
| OD Accuracy                                  |                 |                 |                 |
| < 1 % at 2.0 OD                              | •               | •               | •               |
| OD Linearity                                 |                 |                 |                 |
| < 3 % at 3.0 OD                              | •               | •               | •               |
| OD Repeatability                             |                 |                 |                 |
| < 0.5 % at 2.0 OD                            | •               | •               | •               |
| Resolution 0.001 OD                          | •               | •               | •               |
| <b>Software Features</b>                     |                 |                 |                 |
| Onboard Software: 55 user-definable programs | •               | •               | •               |
| Gen5™ Compatible                             | •               | •               | •               |
| <b>Hardware Features</b>                     |                 |                 |                 |
| Dimensions:                                  |                 |                 |                 |
| 16.5" D x 15" W x 7" H                       | •               | •               | •               |
| (41.9 x 38.1 x 17.8 cm)                      |                 |                 |                 |
| Weight                                       | 18.5 lbs (8 kg) | 18.5 lbs (8 kg) | 18.5 lbs (8 kg) |
| * Specifications subject to change           |                 |                 |                 |



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